

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 04196285  
PUBLICATION DATE : 16-07-92

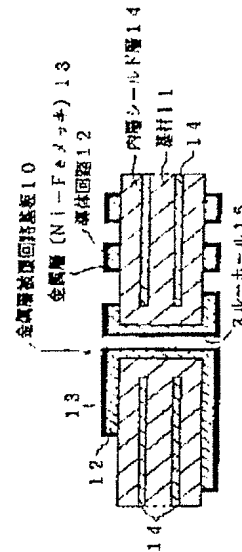
APPLICATION DATE : 27-11-90  
APPLICATION NUMBER : 02327455

APPLICANT : IBIDEN CO LTD;

INVENTOR : SATO TOSHIHIRO;

INT.CL. : H05K 1/02 H05K 9/00

TITLE : METAL LAYER COATING CIRCUIT BOARD



ABSTRACT : PURPOSE: To reduce influences of magnetic noise radiated from itself and magnetic noise from an external field by both effects of reflection and absorption by covering a conductor circuit with a metal layer of high permeability magnetic material containing nickel, and iron as main ingredients.

CONSTITUTION: At least the upper surface and both sides of a conductor circuit 12 are covered with metal layers 13 made of 75-85% of nickel and 15-25% of iron. That is, this metal layer coating circuit board 10 is formed by covering the upper surface and both sides of the circuit 12 made of a copper material formed by a method such as printing, chemical etching, etc., with the layers 13 made of 75-85% of nickel and 15-25% of iron as main ingredients to enhance a noise shielding efficiency between the circuits 12. Thus, influences of magnetic noise radiated from itself and magnetic noise from an external field can be reduced by both effects of reflection and absorption.

COPYRIGHT: (C)1992,JPO&Japio